



## **Federal Implementation Guideline for Electronic Data Interchange**

**ASC X12 003060 Transaction Set 846L  
Inventory Inquiry/Advice  
(Logistics Asset Support)**

### **Implementation Convention**



**U.S. DEPARTMENT OF COMMERCE**  
Technology Administration  
National Institute of  
Standards and Technology

QC  
100  
.U57  
NO.881-87  
1998

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<sup>1</sup> At Boulder, CO 80303.

<sup>2</sup> Some elements at Boulder, CO.

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### **Implementation Convention**

Electronic Commerce Acquisition Program Management Office  
Standard Management Committee - Secretariat  
National Institute of Standards and Technology  
Gaithersburg, MD 20899-0001

Editor: Dr. Jean-Philippe Favreau

September 1998



**U.S. DEPARTMENT OF COMMERCE**  
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**Technology Administration**  
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**National Institute of Standards and Technology**  
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## **Reports on Information Technology**

The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

**National Institute of Standards and Technology Special Publication 881-87**  
**Natl. Inst. Stand. Technol. Spec. Publ. 881-87, 23 pages (Sept. 1998)**  
**CODEN: NSPUE2**

**U.S. GOVERNMENT PRINTING OFFICE**  
**WASHINGTON: 1998**

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# 846 Inventory Inquiry/Advice

Functional Group ID=**IB**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Inventory Inquiry/Advice Transaction Set (846) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used in the following ways: (1) for a seller of goods and services to provide inventory information to a prospective purchaser, with no obligation to the purchaser to acquire these goods or services; (2) for a representative of a seller of goods and services to supply inventory information to that seller; (3) for one location to supply another location with inventory information; and (4) for an inquiry as to the availability of inventory with no obligation on the seller of goods and services to reserve that inventory.

## Notes:

- 1. Organizations use this transaction set to inquire about material availability for support of contingency operations, special projects, or other operational requirements. Integrated Material Managers (IMMs)/Inventory Control Points (ICPs) use this transaction set to respond to material availability inquiries.*
- 2. Use a single occurrence of this transaction set to exchange transactions between a single inquiring organization and a single or multiple IMMs/ICPs, or between a single IMM/ICP and a single or multiple inquiring organizations. Use one occurrence of this transaction set to transmit a single or multiple transactions.*
- 3. Users operating under the Defense Logistics Management System (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table which can be found on the National Institute of Standards and Technology (NIST) World Wide Web site.*

## Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIA	Beginning Segment for Inventory Inquiry/Advice	M	1		
Not Used	040	CUR	Currency	O	1		
Not Used	050	DTM	Date/Time Reference	O	10		
Not Used	060	REF	Reference Identification	O	12		
Not Used	070	PER	Administrative Communications Contact	O	3		
Not Used	075	MEA	Measurements	O	20		
LOOP ID - N1						5	
Must Use	080	N1	Name	O	1		
Not Used	090	N2	Additional Name Information	O	2		
Not Used	100	N3	Address Information	O	2		
Not Used	110	N4	Geographic Location	O	1		
Not Used	120	REF	Reference Identification	O	12		
Not Used	130	PER	Administrative Communications Contact	O	3		
LOOP ID - LM						10	
Not Used	140	LM	Code Source Information	O	1		
Not Used	150	LQ	Industry Code	M	100		

## Detail:

## 846L - Inventory Inquiry/Advice (Logistics Asset Support)

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - LIN			10000	
Must Use	010	LIN	Item Identification	M	1		
Not Used	030	PID	Product/Item Description	O	200		
Not Used	040	MEA	Measurements	O	40		
Not Used	050	PKG	Marking, Packaging, Loading	O	25		
Must Use	100	DTM	Date/Time Reference	O	10		
Not Used	110	CTP	Pricing Information	O	25		
Not Used	120	CUR	Currency	O	1		
Not Used	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Must Use	140	REF	Reference Identification	O	>1		
Not Used	150	PER	Administrative Communications Contact	O	3		
Not Used	220	SDQ	Destination Quantity	O	500		
Not Used	230	MAN	Marks and Numbers	O	1		
Not Used	235	UIT	Unit Detail	O	5		
Not Used	240	CS	Contract Summary	O	1		
	250	DD	Demand Detail	O	>1		
Not Used	255	G53	Maintenance Type	O	1		
Not Used	256	PCT	Percent Amounts	O	>1		
	257	LDT	Lead Time	O	12		
			LOOP ID - LM			10	
Must Use	260	LM	Code Source Information	O	1		
Must Use	270	LQ	Industry Code	M	100		
			LOOP ID - SLN			1000	
Not Used	280	SLN	Subline Item Detail	O	1		
Not Used	290	PID	Product/Item Description	O	200		
Not Used	300	MEA	Measurements	O	40		
Not Used	310	PKG	Marking, Packaging, Loading	O	25		
			LOOP ID - MAN			100	
Not Used	312	MAN	Marks and Numbers	O	1		
Not Used	314	MEA	Measurements	O	40		
			LOOP ID - QTY			99	
	320	QTY	Quantity	O	1		
Not Used	330	UIT	Unit Detail	O	12		
Not Used	340	MEA	Measurements	O	25		
Not Used	350	LDT	Lead Time	O	12		
Not Used	355	DTM	Date/Time Reference	O	10		
			LOOP ID - SCH			25	
Not Used	360	SCH	Line Item Schedule	O	1		
Not Used	370	MEA	Measurements	O	25		
			LOOP ID - LM			>1	
Not Used	375	LM	Code Source Information	O	1		
Not Used	376	LQ	Industry Code	M	100		
Not Used	380	LS	Loop Header	O	1		
			LOOP ID - REF			>1	
Not Used	390	REF	Reference Identification	O	1		n1
Not Used	400	DTM	Date/Time Reference	O	>1		



# 846L - Inventory Inquiry/Advice (Logistics Asset Support)

Not Used	410	N1	Name	O	1	
LOOP ID - LM						10
Not Used	420	LM	Code Source Information	O	1	
Not Used	430	LQ	Industry Code	M	100	
Not Used	440	LE	Loop Trailer	O	1	
LOOP ID - N1						200
Must Use	450	N1	Name	O	1	
Not Used	460	N2	Additional Name Information	O	2	
Not Used	470	N3	Address Information	O	2	
Not Used	480	N4	Geographic Location	O	1	
Not Used	490	REF	Reference Identification	O	12	
Not Used	500	PER	Administrative Communications Contact	O	3	

## Summary:

	Pos.	Seg.		Req.		Loop	Notes and
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Max.Use</u>	<u>Repeat</u>	<u>Comments</u>
Not Used	010	CTT	Transaction Totals	O	1		n2
Must Use	020	SE	Transaction Set Trailer	M	1		

## Transaction Set Notes

1. The REF loop conveys serial number, lot number, and inventory data.
2. Number of line items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (QTY02) of each QTY segment.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 846 X12.28 Inventory Inquiry/Advice	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>	M AN 4/9



**Segment:** **BIA** Beginning Segment for Inventory Inquiry/Advice  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of an Inventory Inquiry/Advice Transaction Set  
**Syntax Notes:**  
**Semantic Notes:**

- 1 BIA03 identifies the number of the inquiry/advice that is transferred.
- 2 BIA04 identifies the date of the inquiry/advice that is transferred.
- 3 BIA05 identifies the time of the inquiry/advice that is transferred.

**Comments:**

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BIA01	353	Transaction Set Purpose Code Code identifying purpose of transaction set	M ID 2/2
			00 Original	
			77 Simulation Exercise	
			<i>Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.</i>	
Must Use	BIA02	755	Report Type Code Code indicating the title or contents of a document, report or supporting item	M ID 2/2
			TA Asset Support Inquiry	
			An inquiry as to the abilities of an organization to support contingency or operational plans or projects	
			<i>Use to identify a Logistics Asset Support Estimate (LASE) inquiry.</i>	
			TB Asset Support Advice	
			A response detailing the capabilities of an organization to support contingency or operational plans or projects	
			<i>Use to identify a LASE response.</i>	
Must Use	BIA03	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
			<i>Use Code "Z" for this data element to satisfy mandatory X12 requirements.</i>	
Must Use	BIA04	373	Date Date (YYMMDD)	M DT 6/6
			<i>This date is the date of transaction set preparation and corresponds to the Universal Time Coordinate (UTC).</i>	
	BIA05	337	Time	O TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			<i>1. Express the originating activity's time of transaction set preparation in UTC.</i>	
			<i>2. Express the time in a four-position (HHMM) format.</i>	
Not Used	BIA06	306	Action Code	O ID 1/2

Code indicating type of action

**Segment:** **N1** Name  
**Position:** 080  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
2 N105 and N106 further define the type of entity in N101.  
**Notes:** *Must use this 1/N1/080 loop to identify the organization originating the transaction set.*

## Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual <i>Use only one of codes 33 or Z4.</i>	M ID 2/2
		33	Inquiry Address <i>Use to indicate the activity submitting the asset support request.</i>	
		Z4	Owning Inventory Control Point An inventory control organization responsible for management of a particular item	
Not Used	N102	93	Name Free-form name	X AN 1/35
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10	Department of Defense Activity Address Code (DODAAC)	
		M4	Department of Defense Routing Identifier Code (RIC) An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions	
Must Use	N104	67	Identification Code Code identifying a party or other code	X AN 2/20
Not Used	N105	706	Entity Relationship Code Code describing entity relationship	O ID 2/2
Must Use	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual FR Message From <i>Must use in conjunction with the appropriate 1/N101/080 code to indicate the organization cited in N104 is originating the transaction set.</i>	O ID 2/2



<b>Segment:</b>	<b>LIN</b>	<b>Item Identification</b>
<b>Position:</b>	010	
<b>Loop:</b>	LIN	Mandatory
<b>Level:</b>	Detail	
<b>Usage:</b>	Mandatory	
<b>Max Use:</b>	1	
<b>Purpose:</b>	To specify basic item identification data	
<b>Syntax Notes:</b>	1 If either LIN04 or LIN05 is present, then the other is required. 2 If either LIN06 or LIN07 is present, then the other is required. 3 If either LIN08 or LIN09 is present, then the other is required. 4 If either LIN10 or LIN11 is present, then the other is required. 5 If either LIN12 or LIN13 is present, then the other is required. 6 If either LIN14 or LIN15 is present, then the other is required. 7 If either LIN16 or LIN17 is present, then the other is required. 8 If either LIN18 or LIN19 is present, then the other is required. 9 If either LIN20 or LIN21 is present, then the other is required. 10 If either LIN22 or LIN23 is present, then the other is required. 11 If either LIN24 or LIN25 is present, then the other is required. 12 If either LIN26 or LIN27 is present, then the other is required. 13 If either LIN28 or LIN29 is present, then the other is required. 14 If either LIN30 or LIN31 is present, then the other is required.	
<b>Semantic Notes:</b>	1 LIN01 is the line item identification	
<b>Comments:</b>	1 See the Data Dictionary for a complete list of IDs. 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.	
<b>Notes:</b>	<b><i>Must use the 2/LIN/010 loop to identify the material, transaction number, and inventory information associated with the LASE.</i></b>	

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	LIN01	350	Assigned Identification	Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
Must Use	LIN02	235	Product/Service ID Qualifier	Code identifying the type/source of the descriptive number used in Product/Service ID (234)	M ID 2/2
			<b><i>Must use one of codes A1, A2, A4, FB, FS, MG, or YP for LASE inquiries and responses. Must use National Stock Number (NSN) when known.</i></b>		
		A1	Plant Equipment Number	Item identifier is a plant equipment number	
			<b><i>Use to identify plant equipment.</i></b>		
		A2	Department of Defense Identification Code (DoDIC)	Qualifies a code that uniquely identifies a type of explosive or ammunition	
			<b><i>Use to identify ammunition items.</i></b>		
		A4	Subsistence Identification Number	Item identifier is a brand-name resale subsistence item	
			<b><i>Use to identify subsistence items.</i></b>		
		FB	Form Number		
			<b><i>Use to identify the form stock number.</i></b>		
		FS	National Stock Number		
			<b><i>Must use the NSN when known.</i></b>		
		MG	Manufacturer's Part Number		
			<b><i>Use to identify nonstandard material.</i></b>		
		YP	Publication Number		

*Use to identify the publication stock number.*

Must Use	LIN03	234	Product/Service ID	M	AN 1/40
			Identifying number for a product or service		
	LIN04	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			<b>1. When LIN02 is code MG, must use LIN04 code ZB.</b>		
			<b>2. In LASE responses, if providing a preferred item, use only one of codes SR, SW (must use NSN if known), XA or XP to identify the item. Use LIN04-05 if LIN02 is any code except MG. If LIN02 is code MG (LIN04 is code ZB), identify one of the codes (SR, SW, XA or XP) in LIN06-07.</b>		
			<b>3. When providing a preferred item identification through its manufacturer's part number (code XA), must also use code ZB in the following LIN pair (use either LIN06-07 or LIN08-09 as needed).</b>		
			SR	Substitute Product Number	
				<i>Use with LIN02 code A2 to identify a preferred ammunition item.</i>	
			SW	Stock Number	
				<i>Use with LIN02 code A4 to identify a preferred subsistence item.</i>	
			XA	Preferred Part Number	
				<i>Use with LIN02 code MG to identify a preferred manufacturer's part number.</i>	
			XP	Preferred National Stock Number	
				<i>Use with LIN02 code FS to identify the preferred NSN.</i>	
			ZB	Commercial and Government Entity (CAGE) Code	
				A code that identifies a commercial contractor authorized to do business with the U.S. government	
				<i>Use with LIN02 code MG to uniquely identify a manufacturer's part number.</i>	
	LIN05	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
	LIN06	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			<b>When providing a preferred item, also use one of codes SR, SW, XA, or XP, for LASE responses. Must use the National Stock Number (NSN) when known.</b>		
			SR	Substitute Product Number	
				<i>Use as needed to identify a preferred ammunition item.</i>	
			SW	Stock Number	
				<i>Use as needed to identify a preferred subsistence item.</i>	
			XA	Preferred Part Number	
				<i>Use as needed to identify a preferred manufacturer's part number.</i>	
			XP	Preferred National Stock Number	
				<i>Use as needed to identify the preferred NSN.</i>	
	LIN07	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
	LIN08	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		



## ZB

## Commercial and Government Entity (CAGE) Code

A code that identifies a commercial contractor authorized to do business with the U.S. government

*Use with LIN06 code XA to uniquely identify a manufacturer's part number.*

	LIN09	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	LIN10	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN11	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	LIN12	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN13	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	LIN14	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN15	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	LIN16	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN17	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	LIN18	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN19	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	LIN20	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN21	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	LIN22	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN23	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	LIN24	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN25	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	LIN26	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN27	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	LIN28	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN29	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		



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Not Used	LIN30	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN31	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/40

**Segment:** **DTM** Date/Time Reference

**Position:** 100

**Loop:** LIN Mandatory

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 10

**Purpose:** To specify pertinent dates and times

**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM06 is required.
- 2 If either DTM06 or DTM07 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

1. *Must use one repetition to identify the date of transaction preparation.*
2. *Use additional repetitions, as needed to identify dates associated with the transaction.*

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	M ID 3/3
			065 1st Schedule Delivery <i>Use for LASE responses to identify the date when the first scheduled delivery of due-in material will occur.</i>	
			097 Transaction Creation <i>Must use to identify the date of transaction preparation.</i>	
			600 As Of <i>Use for LASE responses to identify the date when the aggregate quantity of material dues-in will be sufficient to satisfy current backorders plus demands forecasted to occur during the interim period from the current date to the date when cumulative assets exceed cumulative anticipated demands plus current backorders.</i>	
Must Use	DTM02	373	<b>Date</b> Date (YYMMDD)	X DT 6/6
Not Used	DTM03	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	DTM04	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
	DTM05	624	<b>Century</b> The first two characters in the designation of the year (CCYY)	O N0 2/2
Not Used	DTM06	1250	<b>Date Time Period Format Qualifier</b> Code indicating the date format, time format, or date and time format	X ID 2/3
Not Used	DTM07	1251	<b>Date Time Period</b> Expression of a date, a time, or range of dates, times or dates and times	X AN 1/35

**Segment:** **REF** Reference Identification  
**Position:** 140  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** >1  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**  
**Notes:** *Must use to identify the transaction number.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification TN Transaction Reference Number	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
Not Used	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30



**Segment:** **DD** Demand Detail  
**Position:** 250  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To describe the type of demand and the intended use of material  
**Syntax Notes:**

- 1 If DD02 is present, then DD01 is required.
- 2 If any of DD03 DD04 or DD05 is present, then all are required.
- 3 If DD06 is present, then DD05 is required.
- 4 If DD10 is present, then DD09 is required.

**Semantic Notes:**

- 1 DD08 transmits the stock level indicator. A "Y" indicates that the material is normally carried in stock; an "N" indicates that the material is not normally stocked.

**Comments:**  
**Notes:** *Use as needed for LASE inquiries only to identify the weapon system associated with the required material.*

## Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Not Used	DD01	1271	Industry Code Code indicating a code from a specific industry code list	X AN 1/30
Not Used	DD02	1270	Code List Qualifier Code Code identifying a specific industry code list	O ID 1/3
Must Use	DD03	128	Reference Identification Qualifier Code qualifying the Reference Identification W2 Weapon System Number Identifies a weapon system <i>Use to identify the applicable weapon system designator code.</i>	X ID 2/3
Must Use	DD04	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
	DD05	1271	Industry Code Code indicating a code from a specific industry code list	X AN 1/30
	DD06	1270	Code List Qualifier Code Code identifying a specific industry code list 71 Service and Agency Code Military services, defense agencies, and certain civilian agencies of the United States Government <i>Use to identify the Service code associated with the weapon system for which logistics asset support is requested.</i>	O ID 1/3
Not Used	DD07	380	Quantity Numeric value of quantity	O R 1/15
Not Used	DD08	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response	O ID 1/1
Not Used	DD09	1271	Industry Code Code indicating a code from a specific industry code list	X AN 1/30
Not Used	DD10	1270	Code List Qualifier Code Code identifying a specific industry code list	O ID 1/3

**Segment:** **LDT** Lead Time  
**Position:** 257  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify lead time for availability of products and services  
**Syntax Notes:**  
**Semantic Notes:** 1 LDT04 is the effective date of lead time information.  
**Comments:** 1 LDT02 is the quantity of unit of time periods.  
**Notes:** *Use as needed in asset status responses to indicate the procurement lead time.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LDT01	345	Lead Time Code Code indicating the time range AF From date of PO receipt to delivery <i>Use to identify the procurement lead time defined as the interval in months between initiation of procurement action and receipt into the supply system of the production model (excludes prototypes) purchased as a result of such actions.</i>	M ID 2/2
Must Use	LDT02	380	Quantity Numeric value of quantity	M R 1/15
Must Use	LDT03	344	Unit of Time Period or Interval Code indicating the time period or interval MO Month	M ID 2/2
Not Used	LDT04	373	Date Date (YYMMDD)	O DT 6/6

**Segment:** **LM** Code Source Information  
**Position:** 260  
**Loop:** LM Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To transmit standard code list identification information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 LM02 identifies the applicable industry code list source information.  
**Notes:** *Must use this 2/LM/260 loop to identify coded information maintained in department or agency documentation.*

## Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LM01	559	Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD)	M ID 2/2
Not Used	LM02	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15



**Segment:** **LQ** Industry Code  
**Position:** 270  
**Loop:** LM Optional (Must Use)  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 100  
**Purpose:** Code to transmit standard industry codes  
**Syntax Notes:** 1 If LQ01 is present, then LQ02 is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** *Use to identify codes, as appropriate, consistent with management information requirements.*

## Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	LQ01	1270	<b>Code List Qualifier Code</b> Code identifying a specific industry code list	<b>O ID 1/3</b>
			0 Document Identification Code Codes that subclassify a transaction	
			AD Acquisition Advice Code Denotes how and under what restrictions an item will be acquired <i>Use for LASE responses to identify acquisition advice code associated with the identified material.</i>	
			EU Request Code The type of data requested and furnished on an asset support request <i>Use for LASE inquiries to identify the request code.</i>	
Must Use	LQ02	1271	<b>Industry Code</b> Code indicating a code from a specific industry code list	<b>X AN 1/30</b>

**Segment:** **QTY** Quantity  
**Position:** 320  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** *Use the 2/QTY/320 loop for LASE responses to identify quantities associated with support of the desired material.*

## Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
		17	Quantity on Hand	
			<i>Use to identify the total peacetime assets consisting of total system onhand assets in supply condition codes A, B, C, and D less Other War Reserve Material Requirements Protectable (OWRMRP) assets.</i>	
		63	On Order Quantity	
			<i>Use to identify the total quantity due-in on purchase request from procurement instrument sources less any quantity on backorder that was not applied to net due-in on contract.</i>	
		BA	Due-In	
			An anticipated receipt quantity	
			<i>Use to identify the total quantity due-in on contract from procurement instrument sources less the quantity on backorder.</i>	
		XA	Total of Issuable Assets	
			<i>Use to identify the total quantity of onhand assets consisting of OWRMRP and supply condition codes A, B, C, and D inventory.</i>	
		XB	Total System Backorder Quantity, High Priority	
			<i>Use to identify total system backorders for priorities 1-8.</i>	
		XC	Total Service Backorder Quantity, High Priority	
			<i>Use to identify the total backorder quantity of priorities 1-8 applicable to the parent service of the activity initiating the request.</i>	
		XD	Total System Backorder Quantity, Low Priority	
			<i>Use to identify total system backorders for priorities 9-15.</i>	
		XE	Total Service Backorder Quantity, Low Priority	
			<i>Use to identify the total backorder quantity for priorities 9-15 applicable to the parent service of the activity initiating the request.</i>	
		XJ	Other War Reserve Material Requirements Protectable (OWRMRP) Quantity	
			Total of all War Reserve material to be protected	
			<i>Use to identify total system OWRMRP on hand assets.</i>	
		YA	Total Demand Quantity	

Sum total of all demands

*Use to identify the total system quarterly forecast of demands.*

Must Use	QTY02	380	Quantity Numeric value of quantity <i>Express as a whole number with no decimal.</i>	M R 1/15
	QTY03	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	O
Must Use	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>DLMS users see the Unit of Issue and Purchase Unit Conversion Table for applicable codes.</i>	M ID 2/2
Not Used	C00102	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00103	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00104	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00105	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00107	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00108	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00109	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00111	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00114	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10



**Segment:** **N1** Name  
**Position:** 450  
**Loop:** N1 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
 2 N105 and N106 further define the type of entity in N101.  
**Notes:** *Must use this 2/N1/450 loop to identify the organization to receive the transaction set.*

## Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
Must Use	N101	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			<i>Use only one of codes 33 or Z4.</i>	
		33	Inquiry Address	
			<i>Use to indicate the activity submitting the asset support request.</i>	
		Z4	Owning Inventory Control Point	
			An inventory control organization responsible for management of a particular item	
Not Used	N102	93	Name	X AN 1/35
			Free-form name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10	Department of Defense Activity Address Code (DODAAC)	
		M4	Department of Defense Routing Identifier Code (RIC)	
			An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions	
Must Use	N104	67	Identification Code	X AN 2/20
			Code identifying a party or other code	
Not Used	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
Must Use	N106	98	Entity Identifier Code	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
		TO	Message To	
			<i>Must use with the appropriate 2/N101/450 code to indicate the organization cited in N104 is receiving the transaction.</i>	

**Segment:** **SE** Transaction Set Trailer  
**Position:** 020  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>Cite the same number as the one cited in ST02.</i>	M AN 4/9





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